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Attorney Docket No.: 15966-748 CON (Cura-248 CON)

0470

2/15/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Majumder et al.

SERIAL NUMBER: 10/044,643

EXAMINER: Not Yet Assigned

FILING DATE: January 11, 2002

ART UNIT: Not Yet Assigned

FOR: Novel Proteins and Nucleic Acids Encoding Same

Box IDS

Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

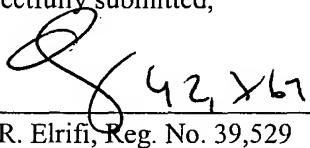
Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (1 page), in duplicate;
2. Modified Form 1449/PTO (3 pages) in duplicate;
3. Copies of cited references B1-B7 and C80-81; and
3. Return Postcard

No fee is believed to be due at this time. However, the Commissioner is authorized to charge any fees that may be due to Deposit Account No. 50-0311, Reference No. 15966-748 CON (Cura-248 CON). A duplicate copy of this transmittal letter is enclosed.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at 617/542-6000, Boston, Massachusetts.

Respectfully submitted,


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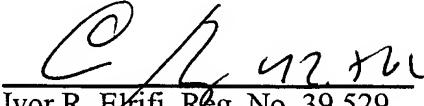
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Assistant Commissioner for Patents
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INFORMATION DISCLOSURE STATEMENT

Applicants hereby make of record the documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits, in the above-identified case. Accordingly, no fee or certification is believed required. A copy of each of the references is enclosed unless otherwise indicated on the attached Form PTO-1449 (modified). Please charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 Reference No. 15966-748 CON (Cura-248 CON).

Respectfully submitted,


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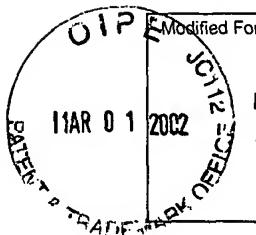
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/044,643
		Filing Date	01/11/02
		First Named Inventor	Majumder
		Group Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	15966-748 CON (Cura-248 CON)

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
A1*	5,436,155	07/25/95	Bell et al.				12/31/91

FOREIGN PATENT DOCUMENTS					
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
B1	EP	0 867 508	Smithkline Beecham Corporation	09/30/98	
B2	WO	96/30406	Human Genome Sciences, Inc.	10/03/96	
B3	WO	01/36471	Arena Pharmaceuticals, Inc.	05/25/01	
B4	WO	01/36473	Pharmacia & Upjohn Company	05/25/01	
B5	WO	01/73029	PE Corporation	10/04/01	
B6	WO	01/77320	Bayer Aktiengesellschaft	10/18/01	
B7	WO	01/87937	Incyte Genomics, Inc.	11/22/01	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1*	Asai, H., H. Kasai, et al. (1996). "Genomic structure and transcription of a murine odorant receptor gene: differential initiation of transcription in the olfactory and testicular cells." Biochem Biophys Res Commun 221(2): 240-247.
	C2*	GenBank Accession Number: I13406 (July 26, 1995)
	C3*	Ben-Arie, N., D. Lancet, et al. (1994). "Olfactory receptor gene cluster on human chromosome 17: possible duplication of an ancestral receptor repertoire." Hum Mol Genet 3(2): 229-35.
	C4*	GenBank Accession Number: Q9WVN4 (November 1, 1999)
	C5*	GenBank Accession Number: Q9WVN5 (November 1, 1999)
	C6*	GenBank Accession Number: Q9WVN6 (November 1, 1999)
	C7*	GenBank Accession Number: AF071080 (December 20, 2000)
	C8*	Buck, L. and R. Axel (1991). "A novel multigene family may encode odorant receptors: a molecular basis for odor recognition." Cell 65(1): 175-87.
	C9*	GenBank Accession Number: NP_038647 (December 28, 2000)
	C10*	GenBank Accession Number: Q9Y5P1 (August 20, 2001)
	C11*	GenBank Accession Number: Q9Y5P0 (August 20, 2001)
	C12*	GenBank Accession Number: Q9WVD7 (November 1, 1999)
	C13*	GenBank Accession Number: Q9WVD8 (November 1, 1999)
	C14*	GenBank Accession Number: AF133300 (December 20, 2000)
	C15*	GenBank Accession Number: AF137396 (December 20, 2000)
	C16*	GenBank Accession Number: Q9WVD9 (November 1 1999)
	C17*	GenBank Accession Number: NP_038648 (December 28, 2000)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
OIP	C18*	GenBank Accession Number: NP_038649 (December 28, 2000)
1 MAR 01 2002	C19*	GenBank Accession Number: AAG41676 (December 20, 2000)
SEARCHED	C20*	GenBank Accession Number: AAG41684 (December 20, 2000)
SEARCHED	C21*	GenBank Accession Number: AAG41688 (December 20, 2000)
SEARCHED	C22*	GenBank Accession Number: AAG41679 (December 20, 2000)
SEARCHED	C23*	GenBank Accession Number: AAG41683 (December 20, 2000)
SEARCHED	C24*	GenBank Accession Number: AAG41678 (December 20, 2000)
SEARCHED	C25*	GenBank Accession Number: AAG42368 (December 26, 2000)
SEARCHED	C26*	GenBank Accession Number: AF289204 (December 26, 2000)
SEARCHED	C27*	GenBank Accession Number: AAG41685 (December 20, 2000)
SEARCHED	C28*	GenBank Accession Number: CAC21550 (January 11, 2001)
SEARCHED	C29*	GenBank Accession Number: AJ301623 (January 11, 2001)
SEARCHED	C30*	GenBank Accession Number: AAD51279 (October 28, 1999)
SEARCHED	C31*	GenBank Accession Number: Q9UKL2 (August 20, 2001)
SEARCHED	C32*	GenBank Accession Number: P49652 (July 15, 1998)
SEARCHED	C33*	GenBank Accession Number: AAA18784 (June 6, 1994)
SEARCHED	C34*	GenBank Accession Number: Q9WV26 (August 20, 2001)
SEARCHED	C35*	GenBank Accession Number: AI557139 (March 23, 1999)
SEARCHED	C36*	Issel-Tarver, L. and J. Rine (1996). "Organization and expression of canine olfactory receptor genes." Proc Natl Acad Sci U S A 93(20): 10897-902.
SEARCHED	C37*	GenBank Accession Number: P29089 (November 1, 1997)
SEARCHED	C38*	GenBank Accession Number: CAB89291 (May 1, 2000)
SEARCHED	C39*	Krautwurst, D., K. W. Yau, et al. (1998). "Identification of ligands for olfactory receptors by functional expression of a receptor library." Cell 95(7): 917-26.
SEARCHED	C40*	GenBank Accession Number: AAG40776 (December 17, 2000)
SEARCHED	C41*	GenBank Accession Number: AF311306 (December 17, 2000)
SEARCHED	C42*	Malnic, B., J. Hirono, et al. (1999). "Combinatorial receptor codes for odors." Cell 96(5): 713-23.
SEARCHED	C43*	GenBank Accession Number: AF121979 (April 25, 1999)
SEARCHED	C44*	GenBank Accession Number: Q9WU93 (November 1, 1999)
SEARCHED	C45*	GenBank Accession Number: NP_064688 (November 1, 2000)
SEARCHED	C46*	GenBank Accession Number: AAD27596 (December 7, 1999)
SEARCHED	C47*	GenBank Accession Number: NP_064686 (November 1, 2000)
SEARCHED	C48*	GenBank Accession Number: Q9WU90 (November 1, 1999)
SEARCHED	C49*	GenBank Accession Number: Q9WU89 (November 1, 1999)
SEARCHED	C50*	GenBank Accession Number: Q9WU93 (November 1, 1999)
SEARCHED	C51*	GenBank Accession Number: AF121976 (December 7, 1999)
SEARCHED	C52*	GenBank Accession Number: Q9WU94 (November 1, 1999)
SEARCHED	C53*	GenBank Accession Number: XP_003874 (July 16, 2001)
SEARCHED	C54*	GenBank Accession Number: U09842 (June 6, 1994)
SEARCHED	C55*	GenBank Accession Number: D10923 (February 3, 1999)
SEARCHED	C56*	GenBank Accession Number: P49019 (August 20, 2001)
SEARCHED	C57*	GenBank Accession Number: I69202 (May 19, 2000)
SEARCHED	C58*	Online Mendelian Inheritance in Man (OMIM): 164342 (Downloaded 9/28/01)
SEARCHED	C59*	GenBank Accession Number: AF079864 (February 5, 1999)
SEARCHED	C60*	GenBank Accession Number: O88628 (November 1, 1998)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C61*	GenBank Accession Number: AAD12761 (February 5, 1999)
	C62*	GenBank Accession Number: Q9YH55 (May 1, 1999)
	C63*	GenBank Accession Number: AAD03349 (January 7, 1999)
	C64*	GenBank Accession Number: L17432 (January 7, 1999)
	C65*	Parmentier, M., F. Libert, et al. (1992). "Expression of members of the putative olfactory receptor gene family in mammalian germ cells." <i>Nature</i> 355(6359): 453-5.
	C66*	Rouquier, S., C. Friedman, et al. (1998). "A gene recently inactivated in human defines a new olfactory receptor family in mammals." <i>Hum Mol Genet</i> 7(9): 1337-45.
	C67*	GenBank Accession Number: JH0621 (August 17, 1992)
	C68*	GenBank Accession Number: AAB22269 (May 8, 1993)
	C69*	GenBank Accession Number: CAC17790 (December 3, 2000)
	C70*	GenBank Accession Number: AAF26668 (January 20, 2000)
	C71*	GenBank Accession Number: AF140708 (January 20, 2000)
	C72*	GenBank Accession Number: AR009514 (December 4, 1998)
	C73*	Thomas, M. B., S. L. Haines, et al. (1996). "Chemoreceptors expressed in taste, olfactory and male reproductive tissues." <i>Gene</i> 178(1-2): 1-5.
	C74*	Vanderhaeghen, P., S. Schurmans, et al. (1997). "Specific repertoire of olfactory receptor genes in the male germ cells of several mammalian species." <i>Genomics</i> 39(3): 239-46..
	C75*	Walensky, L. D., M. Ruat, et al. (1998). "Two novel odorant receptor families expressed in spermatids undergo 5'- splicing." <i>J Biol Chem</i> 273(16): 9378-87.
	C76*	GenBank Accession Number: AC020597 (July 7, 2000)
	C77*	GenBank Accession Number: P34996 (December 15, 1998)
	C78*	Xie, S. Y., P. Feinstein, et al. (2000). "Characterization of a cluster comprising approximately 100 odorant receptor genes in mouse." <i>Mamm Genome</i> 11(12): 1070-8.
	C79*	GenBank Accession Number: O00270 (August 20, 2001)
	C80	Rouquier et al. (1998). <i>Nature Genetics</i> 18: 243-250.
	C81	Invitation to Pay Additional Fees with the Partial International Search Report for PCT/US01/10241 mailed February 5, 2002.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No.09/823,172, filed **March 29, 2001**, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

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